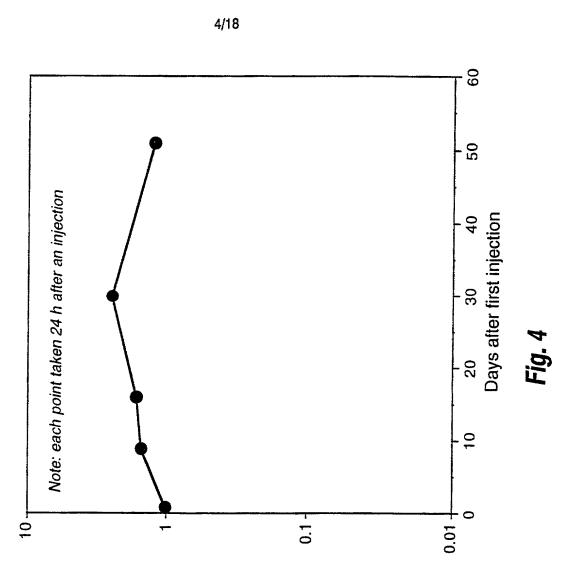


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Serum Uricase Activity, relative to initial activity

Fig. 5

Deduced Amino Acid Sequences of Pig-Baboon Chimeric Uricase (PBC Uricase)

and Porcine Uricase Containing the Mutations R291K and T301S (PKS Uricase), Compared with the Porcine and Baboon Sequences

Porcine	MAHYRNDYKK NDEVEFVRTG	YGKDMIKVLH	IQRDGKYHSI	40
PBC	1-225 porcine sequence	\rightarrow		
DVC	1-288 porcine sequence	→		
PKS		YGKDMVKVLH	IQRDGKYHSI	40
Baboon	MADYHNNYKK NDELEFVRTG	IGNDMAKATH	TONDGKTHST	
Porcine	KEVATSVQLT LSSKKDYLHG	DNSDVIPTDT	IKNTVNVLAK	80
PBC	porcine sequence $ ightarrow$			
PKS	porcine sequence →			
Baboon	KEVATSVOLT LSSKKDYLHG	DNSDIIPTDT	IKNTVHVLAK	80
		antitutan s out	VO DE ENTOUGE DE	120
Porcine	FKGIKSIETF AVTICEHFLS	SFKHVIRAQV	YVEEVPWKRF	120
PBC	porcine sequence $ ightarrow$			
PKS	porcine sequence $ ightarrow$			
Baboon	FKGIKSIEAF GVNICEYFLS	SFNHVIRAQV	YVEEIPWKRL	120
Porcine	EKNGVKHVHA FIYTPTGTHF	CEVEQIRNGP	PVIHSGIKDL	160
PBC	porcine sequence →	CDVDQLICIGI		
FBC	porcine sequence .			
DVC	maraina samiense -			
PKS	porcine sequence →	CENTRAL PECD	PVIHSGIKDL	160
Baboon	EKNGVKHVHA FIHTPTGTHF	CEVEQLR S GP	PATUSGIKDU	
Porcine	KVLKTTQSGF EGFIKDQFTT	LPEVKDRCFA	TQVYCKWRYH	200
PBC	porcine sequence $ ightarrow$			
PKS	porcine sequence →			
Baboon	KVLKTTQSGF EGFIKDQFTT	LPEVKDRCFA	TOVYCKWRYH	200
		KFAGPYDKGE	YSPSVQKTLY	240
Porcine	QGRDVDFEAT WDTVRSIVLQ		boon sequence	
PBC	porcine sequence	- C Da	boon begacine	-
PKS	porcine sequence →	KFAGPYDKGE	YSPSVQKTLY	240
Baboon	QCRDVDFEAT WGTIRDLVLE	KENGPIDAGE	ISERAČKIHI	
Porcine	DIQVLTLGQV PEIEDMEISL	PNIHYLNIDM	SKMGLINKEE	280
PBC	baboon sequence →			
PKS	porcine sequence $ ightarrow$			
Baboon	DIQVLSLSRV PEIEDMEISL	PNIHYFNIDM	SKMGLINKEE	280
	TO THE DIDING TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE	TSRL		
Porcine	VLLPLDNPYG RITGTVKRKL			
PBC	baboon sequence →	304		
	. 1	204		
PKS	20202	39-304		
Baboon	VLLPLDNPYG KITGTVKRKL	SSRL		